

To get total Distance
just add all of the
distances

1. what was the pink
car's total Displacement?

A: Zero

2. What was the green car's displacement in leg B of the race?

3 km E

3. What was the green car's velocity in leg B of the race?

$$S = 42.86 \frac{\text{km}}{\text{h}}$$

$$V = 42.8 \frac{\text{km}}{\text{h}} \text{ E}$$

4. IF we used the green car's
Average speed for the race
how much time? would
IT TAKE to travel an
Additional 5km?

①

$$S = 45.83 \text{ km/h}$$

$$t = ?$$

$$d = 5 \text{ km}$$

2. EQUATION

$$S = \frac{d}{t}$$

3. SUBSTITUTION

$$(t) \frac{45.83 \text{ km}}{45.83 \text{ km/h}} = \frac{5 \text{ km}}{45.83 \text{ km/h}}$$

$$t = \frac{5 \text{ km}}{45.83 \text{ km/h}}$$
$$t = .11 \text{ hrs.}$$